



## OVERVIEW

The PACQ Flex'ion is optimised to charge Flex'ion batteries (from SAFT). The battery is charged according to the levels from the BMS thus preventing over or under charging scenarios, literally giving the battery what it wants.

A CAN bus interface enables the communication between the PACQ charger and BMS of the Flex'ion battery.

The PACQ is a secure DC system that can be sized according to your current and future load profiles. It's fault-tolerant design keeps load operations uninterrupted while providing optimum charge to the Flex'ion batteries. It comes in two DC output voltage options, 120VDC and 240VDC, and two form-factors, 4U and 6U.

### Compatible with SAFT Flex'ion

The PACQ ensures that the Flex'ion battery is never over/under charged by reading from the BMS. The system also reads and displays:

- battery warnings
- battery capacity
- battery temperature
- remaining battery energy



### Monitor Up to 12 Battery Strings

The standard PACQ Flex'ion monitors 4 battery strings. With the **Battery Extension Kit**, the system can monitor up to 12 battery strings.



### Industrial Battery Charger

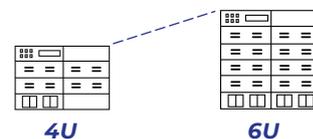
120VDC and 240VDC are industrial battery charger voltages commonly found in electrical sub-stations.

120V

240V

### Scalability

Rectifier power modules can be fitted in a standard 4U or 6U chassis:



### Low MTTR

Rectifier and controller modules are 'hot-pluggable' offering users a system with low mean time to repair (MTTR). The modules can be replaced on a live system without load interruption.

### Automatic Battery Discharge Test

Monitor battery life with software-controlled battery discharge test (BDT). The PACQ can be set to perform periodic BDT under normal system load conditions without disruptions.